

3GPP TSG RAN Meeting #28
Quebec, Canada, 1 - 3 June 2005

RP-050259

Title CRs (Rel-5 & Rel-6) to 25.104 & 25.141 for the removal of 80 ms TTI
Source Nokia
Agenda Item 7.7.1

WG Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R4-050608	25.104	239		C	Rel-5	5.9.0	Feature Clean-Up for TS25.104, 80 ms TTI	TEI5
R4-050609	25.104	240		C	Rel-6	6.8.0	Feature Clean-Up for TS25.104, 80 ms TTI	TEI6
R4-050610	25.141	375		C	Rel-5	5.9.0	Feature Clean-Up for TS25.141, 80 ms TTI	TEI5
R4-050611	25.141	376		C	Rel-6	6.8.0	Feature Clean-Up for TS25.141, 80 ms TTI	TEI6

CHANGE REQUEST

TS 25.104 CR 239 # rev **-** # Current version: **5.9.0**

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Feature Clean-Up for TS25.104, 80 ms TTI		
Source:	# Nokia		
Work item code:	# TEI-5	Date:	# 25/5/2005
Category:	# C	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		Ph2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)
			Rel-7 (Release 7)

Reason for change:	# In RAN4#34 removal of some UTRAN features was proposed in order to simplify the specifications. CRs were approved in RAN4#35. Afterwards it was noted that '80 ms TTI for DCH' was not removed from TS25.104 and TS25.141.
Summary of change:	# The feature '80 ms TTI for DCH' removed. 2048 kbps Reference Measurement Channel, which has 80 ms TTI and SF4, removed from the Annex A.1 and A.6.
Consequences if not approved:	# Optional feature of BS will remain and may cause delays for UE testing time.

Clauses affected:	# Annex A.1, Annex A.6						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications	Y	N	#	X	#	TS25.141
Y	N						
#	X						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">X</td> <td style="width: 20px; text-align: center;">#</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Test specifications	X	#	#	X		
X	#						
#	X						
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#	X						
#	X						
Other comments:	#						

How to create CRs using this form:

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- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Annex A (normative): Measurement channels

A.1 Summary of UL reference measurement channels

The parameters for the UL reference measurement channels are specified in Table A.1 and the channel coding is detailed in figure A.2 through A.6 respectively. Note that for all cases, one DPCCH shall be attached to DPDCH(s).

Table A.1: Reference measurement channels for UL DCH

Parameter		DCH for DTCH / DCH for DCCH					Unit
DPDCH	Information bit rate	12.2/2.4	64/2.4	144/2.4	384/2.4	2048/2.4	kbps
	Physical channel	60/15	240/15	480/15	960/15	960/15	kbps
	Spreading factor	64	16	8	4	4	
	Repetition rate	22/22	19/19	8/9	-18/-17	-7/-7	%
	Interleaving	20	40	40	40	80	ms
	Number of DPDCHs	1	1	1	1	6	
DPCCH	Dedicated pilot	6					bit/slot
	Power control	2					bit/slot
	TFCI	2					bit/slot
	Spreading factor	256					
Power ratio of DPCCH/DPDCH		-2.69	-5.46	-9.54	-9.54	-9.54	dB
Amplitude ratio of DPCCH/DPDCH		0.7333	0.5333	0.3333	0.3333	0.3333	

-- NEXT MODIFIED SECTION --

A.6 ~~UL reference measurement channel for 2048 kbps~~ Void

~~The parameters for the UL reference measurement channel for 2048 kbps are specified in Table A.6 and the channel coding is detailed in Figure A.6.~~

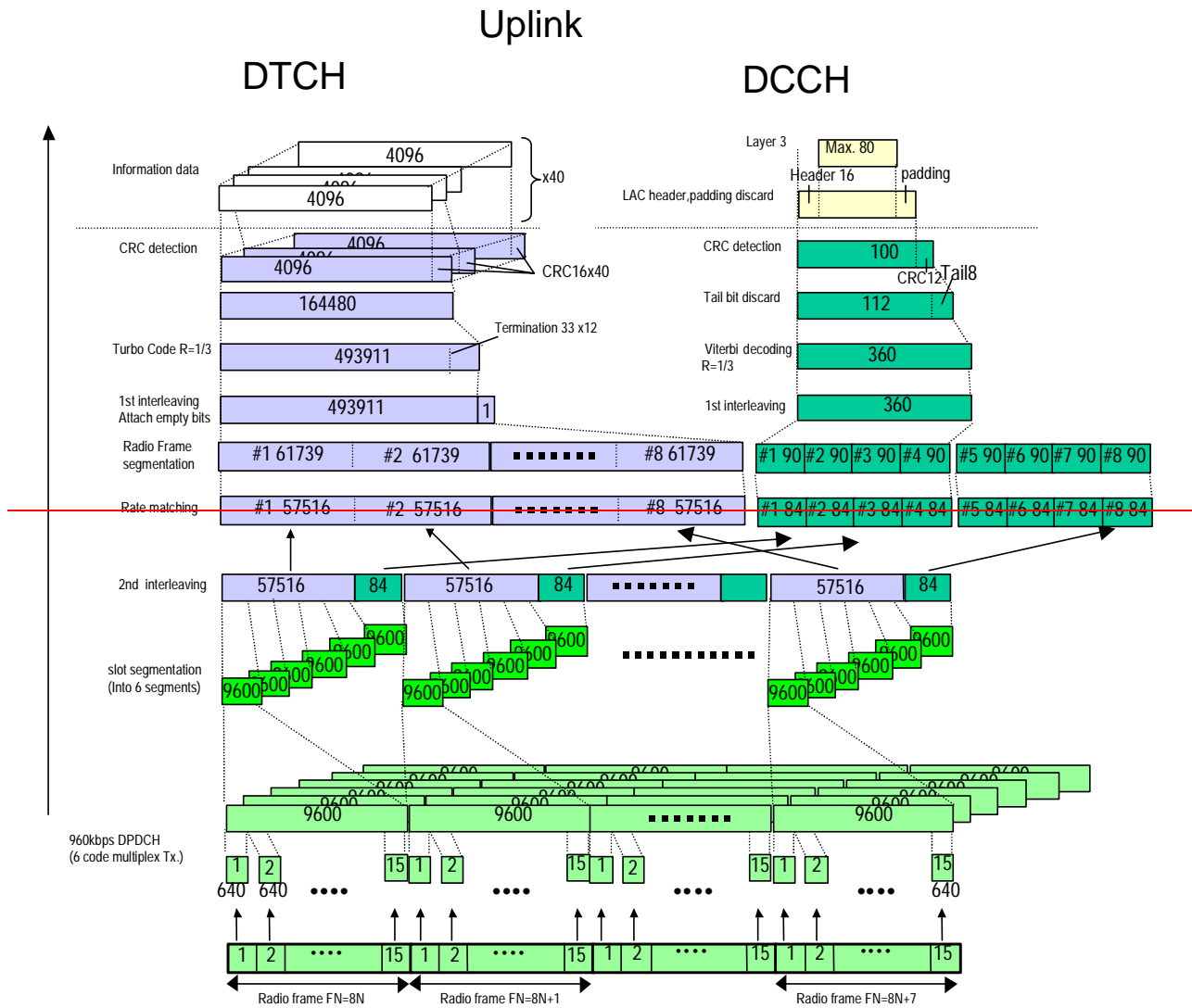


Figure A.6: Channel coding for the UL reference measurement channel (2048 kbps) Void

Table A.6: UL reference measurement channel (2048kbps) Void

Parameter	Level	Unit
Information bit rate	2048	Kbps
DPCH	960	Kbps
Power control	Off	
TFCI	On	
Puncturing	7	%

CHANGE REQUEST

TS 25.104 CR 240 # rev **-** # Current version: **6.8.0**

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Feature Clean-Up for TS25.104, 80 ms TTI		
Source:	# Nokia		
Work item code:	# TEI-6	Date:	# 25/5/2005
Category:	# C	Release:	# Rel-6
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		Ph2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
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			Rel-5 (Release 5)
			Rel-6 (Release 6)
			Rel-7 (Release 7)

Reason for change:	# In RAN4#34 removal of some UTRAN features was proposed in order to simplify the specifications. CRs were approved in RAN4#35. Afterwards it was noted that '80 ms TTI for DCH' was not removed from TS25.104 and TS25.141.
Summary of change:	# The feature '80 ms TTI for DCH' removed. 2048 kbps Reference Measurement Channel, which has 80 ms TTI and SF4, removed from the Annex A.1 and A.6.
Consequences if not approved:	# Optional feature of BS will remain and may cause delays for UE testing time.

Clauses affected:	# Annex A.1, Annex A.6						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications	Y	N	#	X	#	TS25.141
Y	N						
#	X						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">X</td> <td style="width: 20px; text-align: center;">#</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> Test specifications	X	#	#	X		
X	#						
#	X						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">#</td> <td style="width: 20px; text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table> O&M Specifications	#	X	#	X		
#	X						
#	X						
Other comments:	#						

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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Annex A (normative): Measurement channels

A.1 Summary of UL reference measurement channels

The parameters for the UL reference measurement channels are specified in Table A.1 and the channel coding is detailed in figure A.2 through A.6 respectively. Note that for all cases, one DPCCH shall be attached to DPDCH(s).

Table A.1: Reference measurement channels for UL DCH

Parameter		DCH for DTCH / DCH for DCCH					Unit
DPDCH	Information bit rate	12.2/2.4	64/2.4	144/2.4	384/2.4	2048/2.4	kbps
	Physical channel	60/15	240/15	480/15	960/15	960/15	kbps
	Spreading factor	64	16	8	4	4	
	Repetition rate	22/22	19/19	8/9	-18/-17	-7/-7	%
	Interleaving	20	40	40	40	80	ms
	Number of DPDCHs	1	1	1	1	6	
DPCCH	Dedicated pilot	6					bit/slot
	Power control	2					bit/slot
	TFCI	2					bit/slot
	Spreading factor	256					
Power ratio of DPCCH/DPDCH		-2.69	-5.46	-9.54	-9.54	-9.54	dB
Amplitude ratio of DPCCH/DPDCH		0.7333	0.5333	0.3333	0.3333	0.3333	

-- NEXT MODIFIED SECTION --

A.6 ~~UL reference measurement channel for 2048 kbps~~ Void

~~The parameters for the UL reference measurement channel for 2048 kbps are specified in Table A.6 and the channel coding is detailed in Figure A.6.~~

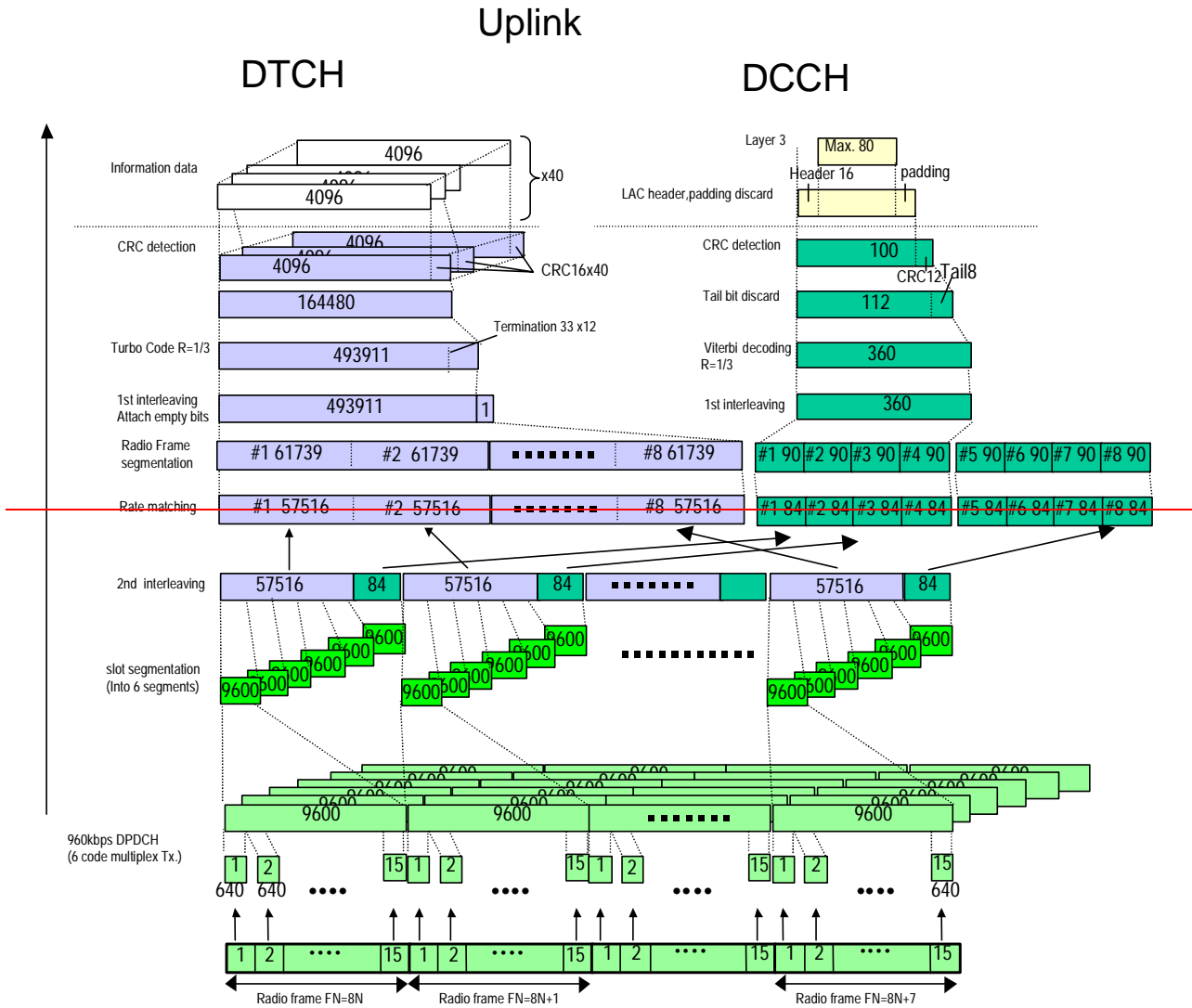


Figure A.6: ~~Channel coding for the UL reference measurement channel (2048 kbps)~~ Void

Table A.6: ~~UL reference measurement channel (2048kbps)~~ Void

Parameter	Level	Unit
Information bit rate	2048	Kbps
DPCH	960	Kbps
Power control	Off	
TFCI	On	
Puncturing	7	%

CHANGE REQUEST

TS 25.141 CR 375 # rev **-** # Current version: **5.9.0**

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Feature Clean-Up for TS25.141, 80 ms TTI		
Source:	# Nokia		
Work item code:	# TEI-5	Date:	# 25/5/2005
Category:	# C	Release:	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	Ph2 (GSM Phase 2)	
	A (corresponds to a correction in an earlier release)	R96 (Release 1996)	
	B (addition of feature),	R97 (Release 1997)	
	C (functional modification of feature)	R98 (Release 1998)	
	D (editorial modification)	R99 (Release 1999)	
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	Rel-4 (Release 4)	
		Rel-5 (Release 5)	
		Rel-6 (Release 6)	
		Rel-7 (Release 7)	

Reason for change:	# In RAN4#34 removal of some UTRAN features was proposed in order to simplify the specifications. CRs were approved in RAN4#35. Afterwards it was noted that '80 ms TTI for DCH' was not removed from TS25.104 and TS25.141.
Summary of change:	# The feature '80 ms TTI for DCH' removed. 2048 kbps Reference Measurement Channel, which has 80 ms TTI and SF4, removed from the Annex A.1 and A.6.
Consequences if not approved:	# Optional feature of BS will remain and may cause delays for UE testing time.

Clauses affected:	# Annex A.1, Annex A.6										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">#</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">#</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">#</td> </tr> </table>	Y	N	#	#	#	#	#	#	Other core specifications	#
Y	N										
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#	#										
		Test specifications	#								
		O&M Specifications	#								
Other comments:	#										

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Annex A (normative): Measurement channels

A.1 Summary of UL reference measurement channels

The parameters for the UL reference measurement channels are specified in Table A.1 and the channel coding is detailed in figure A.2 through A.6 respectively.

NOTE: For all cases, one DPCCH shall be attached to DPDCH(s).

Table A.1: Reference measurement channels for UL DCH

Parameter		DCH for DTCH / DCH for DCCH					Unit
DPDCH	Information bit rate	12,2/2,4	64/2,4	144/2,4	384/2,4	2048/2,4	kbps
	Physical channel	60/15	240/15	480/15	960/15	960/15	kbps
	Spreading factor	64	16	8	4	4	
	Repetition rate	22/22	19/19	8/9	-18/-17	-7/-7	%
	Interleaving	20	40	40	40	80	ms
	Number of DPDCHs	1	1	1	1	6	
DPCCH	Dedicated pilot	6					bit/slot
	Power control	2					bit/slot
	TFCI	2					bit/slot
	FBI	0 / 2					bit/slot
	Spreading factor	256					
Power ratio of DPCCH/DPDCH		-2,69	-5,46	-9,54	-9,54	-9,54	dB
Amplitude ratio of DPCCH/DPDCH		0,7333	0,5333	0,3333	0,3333	03333	
Note: Combination of TFCI bit of 0 bit/slot and FBI bit of 2 bit /slot is applied in test of Site Selection Diversity Transmission specified in 8.10.							

-- NEXT MODIFIED SECTION --

A.6 ~~UL reference measurement channel for 2048~~ kbps Void

The parameters for the UL reference measurement channel for 2048 kbps are specified in table A.6 and the channel coding is detailed in figure A.6:

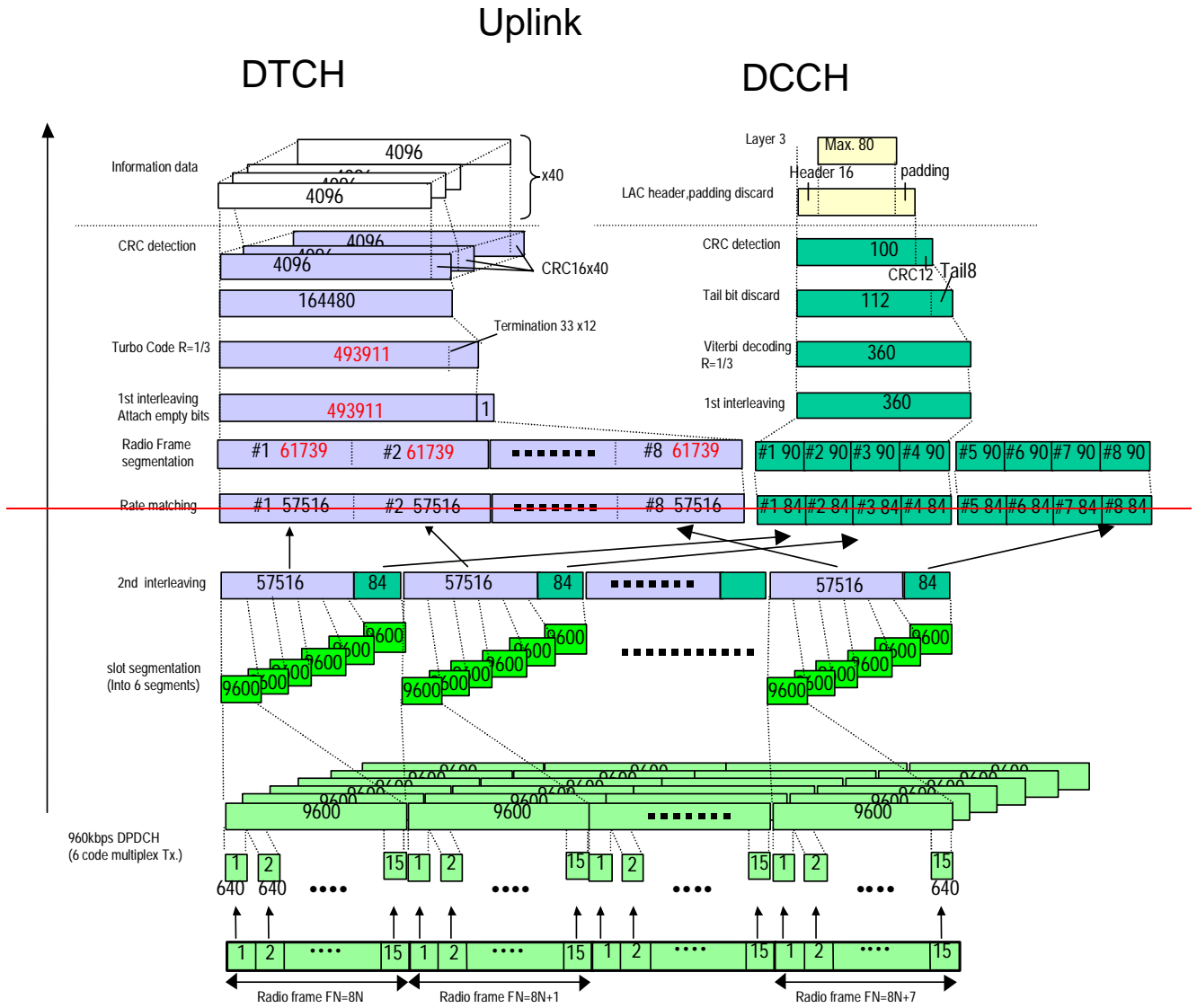


Figure A.6 Void

Table A.6: ~~UL reference measurement channel (2048kbps)~~ Void

Parameter	Level	Unit
Information-bit rate	2048	kbps
DPCH	960	kbps
Power control	Off	
TFCI	On	
Puncturing	7	%

CHANGE REQUEST

TS 25.141 CR 376 # rev **-** # Current version: **6.8.0**

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

Proposed change affects: UICC apps# ME Radio Access Network Core Network

Title:	# Feature Clean-Up for TS25.141, 80 ms TTI		
Source:	# Nokia		
Work item code:	# TEI-6	Date:	# 25/5/2005
Category:	# C	Release:	# Rel-6
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		Ph2 (GSM Phase 2)
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Reason for change:	# In RAN4#34 removal of some UTRAN features was proposed in order to simplify the specifications. CRs were approved in RAN4#35. Afterwards it was noted that '80 ms TTI for DCH' was not removed from TS25.104 and TS25.141.
Summary of change:	# The feature '80 ms TTI for DCH' removed. 2048 kbps Reference Measurement Channel, which has 80 ms TTI and SF4, removed from the Annex A.1 and A.6.
Consequences if not approved:	# Optional feature of BS will remain and may cause delays for UE testing time.

Clauses affected:	# Annex A.1, Annex A.6										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	#
Y	N										
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<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
		Test specifications	#								
		O&M Specifications	#								
Other comments:	#										

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Annex A (normative): Measurement channels

A.1 Summary of UL reference measurement channels

The parameters for the UL reference measurement channels are specified in Table A.1 and the channel coding is detailed in figure A.2 through A.6 respectively.

NOTE: For all cases, one DPCCH shall be attached to DPDCH(s).

Table A.1: Reference measurement channels for UL DCH

Parameter		DCH for DTCH / DCH for DCCH					Unit
DPDCH	Information bit rate	12,2/2,4	64/2,4	144/2,4	384/2,4	2048/2,4	kbps
	Physical channel	60/15	240/15	480/15	960/15	960/15	kbps
	Spreading factor	64	16	8	4	4	
	Repetition rate	22/22	19/19	8/9	-18/-17	-7/-7	%
	Interleaving	20	40	40	40	80	ms
	Number of DPDCHs	1	1	1	1	6	
DPCCH	Dedicated pilot	6					bit/slot
	Power control	2					bit/slot
	TFCI	2					bit/slot
	FBI	0 / 2					bit/slot
	Spreading factor	256					
Power ratio of DPCCH/DPDCH	-2,69	-5,46	-9,54	-9,54	-9,54	dB	
Amplitude ratio of DPCCH/DPDCH	0,7333	0,5333	0,3333	0,3333	03333		
Note:	Combination of TFCI bit of 0 bit/slot and FBI bit of 2 bit /slot is applied in test of Site Selection Diversity Transmission specified in 8.10.						

-- NEXT MODIFIED SECTION --

A.6 ~~UL reference measurement channel for 2048~~ kbps Void

The parameters for the UL reference measurement channel for 2048 kbps are specified in table A.6 and the channel coding is detailed in figure A.6:

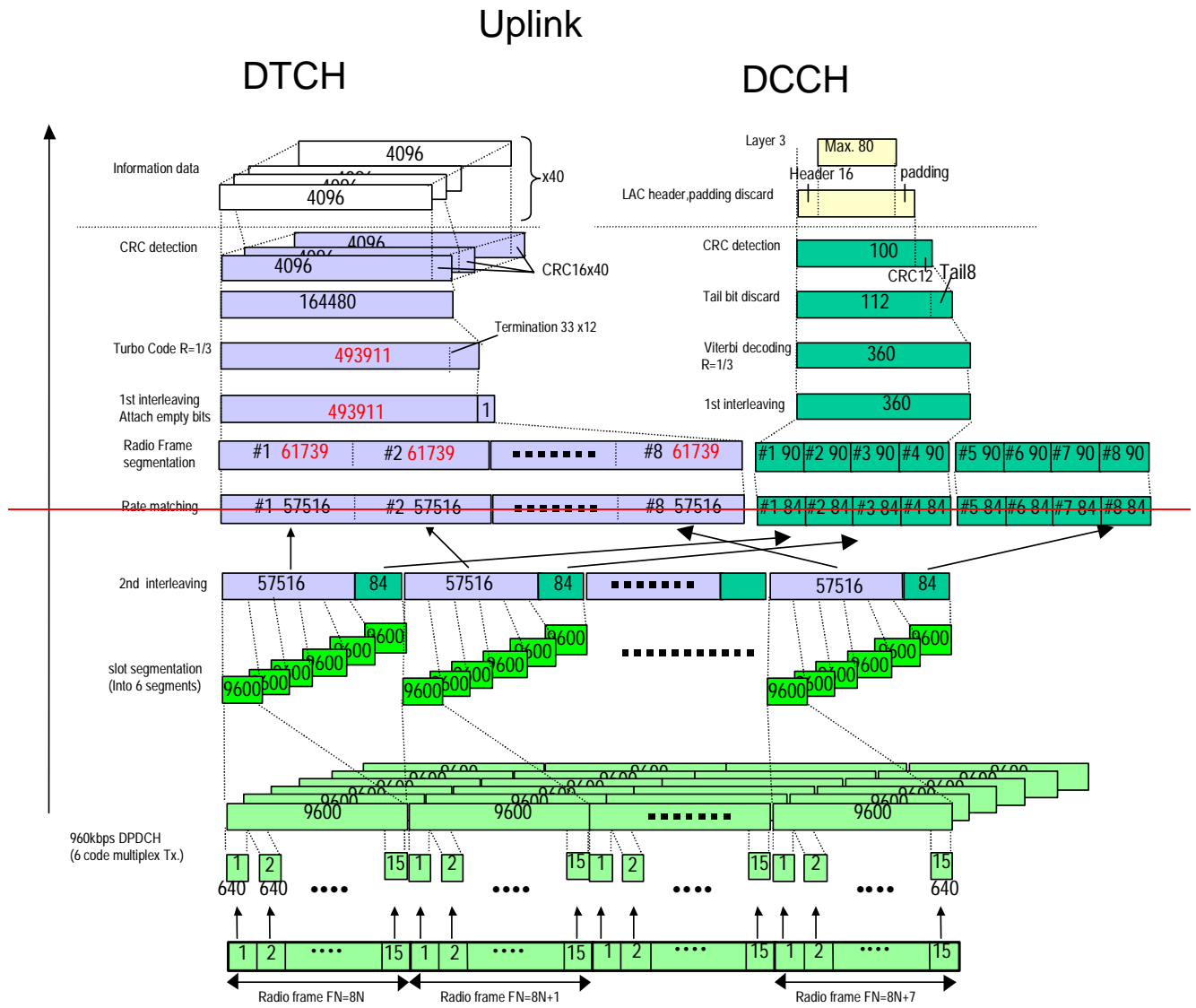


Figure A.6 Void

Table A.6: ~~UL reference measurement channel (2048kbps)~~ Void

Parameter	Level	Unit
Information bit rate	2048	kbps
DPCH	960	kbps
Power control	Off	
TFCI	On	
Puncturing	7	%